Task

Subject: PFAS - NDPE Usage/Consumption Metrics
Start Date: 2/5/2020
Due Date: 9/30/2020

Status: In Progress
Percent Complete: 0.25

Total Work: 0
Actual Work: 0

Owner: Montilla, Alex

From: Barrette, Michael <Barrette.Michael@epa.gov>
Sent: Tuesday, January 28, 2020 7:01 PM
Subject: PFAS Analytic Tools Version 2.0 Availability and Background Info

Below is information about updated software that is now available for government use. I want to thank all of you that have helped through this process, and I'm including a bit of background for those that are newer to this project.

Background on PFAS data integration efforts

- In September 2018, EPA's PFAS Steering committee asked OECA to form a cross-Agency data workgroup to review a Qlik-based application (called PFAS Analytic Tools) that had been developed by OECA as a way to see available national PFAS data in one place.
- The workgroup assisted OECA in refining the application which was released as a beta version to all EPA staff.
- In February 2019, EPA's PFAS Action Plan called for EPA to develop a public version of the PFAS Analytic Tools and work with the states to improve data sharing.
- In May 2019, EPA completed Version 1.0 of the PFAS Analytic Tools and it was released to states and government users for their use. This was a first step toward public release. EPA conducted briefings and trainings for state associations.
- In 2019, ORD came on board as the joint project lead for the project.
- In 2020, ORD assumed the lead on the project – so future communication on the project will be coming from the ORD leads. *(Mike Barrette and Amanda Pruzinsky have transitioned to ORD - Andy Gillespie (management lead), Tim Buckley (science lead), and Alex Montilla (technical lead).*

Status of Tools

- Currently there are two versions of the PFAS tools as described below – one designed for internal government use, and one under development for public release.

- **PFAS Analytic Tools - Version 2.0** (designed for government use and available to all EPA staff and government users that are registered in ECHO Gov)
    - EPA has just replaced the original Version 1.0 of the PFAS Analytic Tools with Version 2.0.
- Version 2.0 Release Notes
    - Version 2.0 has a better look and feel and improves the user experience in the following ways.
        - Presenting data layers as tabs across the top of the screen
        - Relocating the filters to the left side of the page and posting selected filters at the bottom.
        - All maps and graphs can be resized to full screen.

        - Reducing clutter of Qlik-specific controls on maps and charts, which can be confusing, by creating an intuitive user interface that interacts with Qlik
        - Data can be downloaded directly from the tool using the download icon.
        - All data sets have been updated.
    - Version 2 includes a new "industry sector" tab that provides a listing of facilities that are in industries known to handle or use PFAS chemicals.
        - That tab will not be available in the public version because EPA has no verification facilities noted actually have used PFAS – they are only in industries where some facilities use PFAS.
        - The data is from ECHO and includes facilities regulated under CWA, CAA, RCRA and SDWA.
        - The SIC and NAICS codes used combined from lists maintained by OLEM, OAR, OECA and Minnesota.
        - Currently the industry sector locations cannot be combined in the integrated map, but we hope to add this feature in the future.
    - EPA has also updated the "Places of Interest" tab.
        - In Version 1.0, there were limited data primarily for Superfund sites.
        - In Version 2.0, EPA has adopted a new data model which provides a greater degree of detail about locations where EPA is involved in PFAS-related activities. ORD has contacted all Regions and program offices to ensure that locations with substantial EPA involvement in PFAS activities appear in this map layer, and the list will continue being updated. *Contact Alex Montilla if you have questions about this data set or want to find out how to submit new data.*
        - EPA is working with state associations to eventually add state places of interest to this data layer.
    - **Users can access the PFAS Analytic Tools via the following pathway – go to echo.epa.gov > log in > click "Analyze Trends" > click "Data Visualization Gallery" > select PFAS Analytic Tools and Navigation Center > click on PFAS Analytic Tools from the Navigation Center.**
    - The current URL is **Ex. 6 Personal Privacy (PP)**
        - Notes
            - Login (single-sign on for EPA) is required
            - The URL may change (the pathway noted above in bold will always navigate to the most current version of the tool).
    - Regions may forward the above information to states if they want to alert them to the tool updates.
    - As noted in the PFAS Action Plan, EPA is working on a Best Practices Guide that will be released to states and will assist them in learning how they can flow data that will appear in the PFAS Analytic Tools. That Guide is not yet completed.

- **National PFAS Data Explorer** (beta version of the public tool, which has not been released)
    - I wanted to be sure that EPA users are aware that we have re-named the version of the tool that will be public to the "National PFAS Data Explorer."
    - Generally, the look and feel of the products are the same. Same improvements as above and provides better mobile device responsiveness.
    - The main differences are the National PFAS Data Explorer, when released, will have informational text geared to public audiences, and will not include the "industry sectors" tab.
    - ORD is working with senior managers across the agency on site updates and a timetable for public release.

Thanks again for your assistance through this process.

Mike Barrette
Chief, Integration Targeting and Access Branch
US EPA Office of Compliance
202-564-7019

From: McLain, Jennifer L.
Sent: Thursday, January 30, 2020 4:04 PM
To: Barrette, Michael <Barrette.Michael@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>
Cc: Rose, Bob <Rose.Bob@epa.gov>
Subject: RE: PFAS Analytic Tools Version 2.0 Availability and Background Info

Can we put this on the next PFAS CC agenda?

From: Barrette, Michael <Barrette.Michael@epa.gov>
Sent: Thursday, January 30, 2020 6:21 PM
To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>
Cc: Montilla, Alex <Montilla.Alex@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: RE: PFAS Analytic Tools Version 2.0 Availability and Background Info

Hi Andy,

I assume you will answer Jennifer. If you'd like me to do the demo, please send me the scheduler. Thanks.

Mike

From: Gillespie, Andrew <Gillespie.Andrew@epa.gov>
Sent: Tuesday, February 04, 2020 8:48 AM
To: Barrette, Michael <Barrette.Michael@epa.gov>
Cc: Montilla, Alex <Montilla.Alex@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>
Subject: RE: PFAS Analytic Tools Version 2.0 Availability and Background Info

Just replied, but I am not sure when the next CC meeting is – I think I there was one last week, I was out. When we get a date we can discuss who will do the demo, probably time for some ORD folks to get ready to do demos – Tim or Alex or Drew Pilant? Though Mike if you are available, might be good to continue if you can until we get the Explorer cleared…

Tim – I know I owe you comments on the rollout presentation for the Explorer – was anything done last week, do you have another draft?

And just so I am clear, does the presentation discuss both tools (Analytic tools v.2 and explorer v.1)? Seems we need to address both.

It would be good to start building awareness and usage of the analytic tools (since that is available EPA wide and does not need clearance). Do we have any way of knowing or finding out how many people are using the Analytics tools, any sense of usage?

Andrew J. R. Gillespie, Ph. D.
Associate Director, US EPA/ORD/CEMM
ORD Executive Lead for PFAS R&D

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From: Montilla, Alex <Montilla.Alex@epa.gov>
Sent: Tuesday, February 4, 2020 5:51 AM
To: Caspersen, Shea <Caspersen.Shea@epa.gov>
Subject: FW: PFAS Analytic Tools Version 2.0 Availability and Background Info

Good Morning Shea,

In Qlik is there any way of knowing how many people have used any particular app or dashboard? Please let me know.

Thanks,

Alex

From: Caspersen, Shea
Sent: Wednesday, February 05, 2020 2:17 PM
To: Montilla, Alex <Montilla.Alex@epa.gov>
Cc: analytics <analytics@epa.gov>
Subject: RE: PFAS Analytic Tools Version 2.0 Availability and Background Info

Hey Alex,
I assume that information should be in the log files somewhere, cc'ing the analytics team for clarity.
Best,
SC

From: Dai, Qi <Dai.Qi@epa.gov>
Sent: Wednesday, February 05, 2020 2:29 PM
To: Caspersen, Shea <Caspersen.Shea@epa.gov>; Montilla, Alex <Montilla.Alex@epa.gov>
Cc: analytics <analytics@epa.gov>
Subject: RE: PFAS Analytic Tools Version 2.0 Availability and Background Info

Shea and Alex:

Shea is right, we can provide detailed information about how many peoples have accessed any particular Qlik apps during a specific period of time.

All we need two items listed below:
1. Name of the Qlik apps in a polished Qlik stream
2. Time period you like to collect those user access information.

If you can provide the following two items to us, we can send you detailed information about user access info for a particular Qlik apps during the time frame you specified pretty quickly.

Let us know if you need more info.

Thanks.

Qi Dai
Technical Lead, EPA National Geospatial and Data Visualization Support
ITS-EPA III Infrastructure Support and Application Hosting
General Dynamics Information Technology
79 T.W. Alexander Drive, Bldg 4401, Suite 400, Durham, NC 27709
T:919-200-7398|M: 919-345-5594|dai.qi@epa.gov

From: Montilla, Alex
Sent: Wednesday, February 05, 2020 2:38 PM

To: Gillespie, Andrew <Gillespie.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Barrette, Michael <Barrette.Michael@epa.gov>
Cc: Andrew Stoeckle <Andrew.Stoeckle@erg.com>; Scheitlin, Tom <Scheitlin.Tom@epa.gov>
Subject: FW: PFAS Analytic Tools Version 2.0 Availability and Background Info

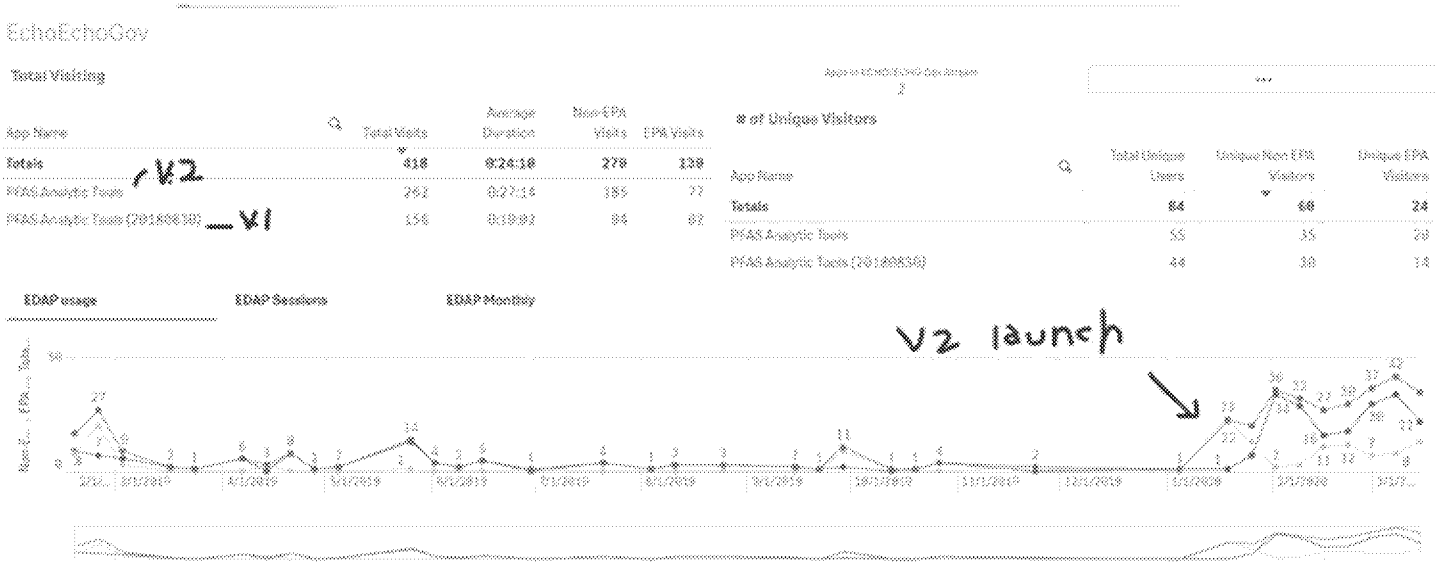
Fyi… OMS can provide usage metrics for Qlik apps. We need to tell which app and when. As we get closer to the release date we can have them turn on this feature.

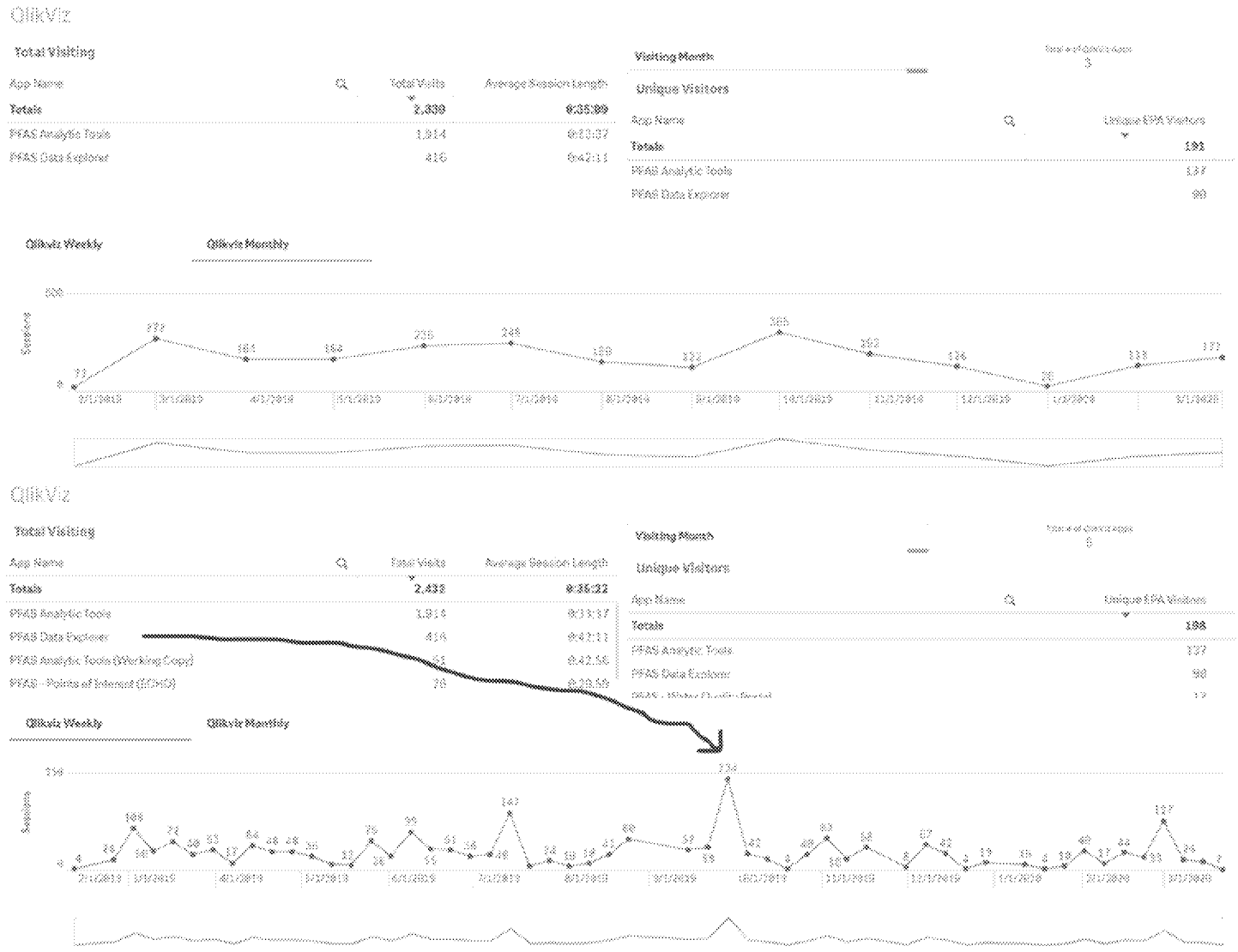
Thanks,

Alex

From: Barrette, Michael <Barrette.Michael@epa.gov>
Sent: Tuesday, March 24, 2020 12:12 PM
To: Buckley, Timothy <Buckley.Timothy@epa.gov>; Montilla, Alex <Montilla.Alex@epa.gov>; Gillespie, Andrew <Gillespie.Andrew@epa.gov>; Scheitlin, Tom <Scheitlin.Tom@epa.gov>
Cc: Yourish, Jesse <yourish.jesse@epa.gov>
Subject: PFAS Qlik usage

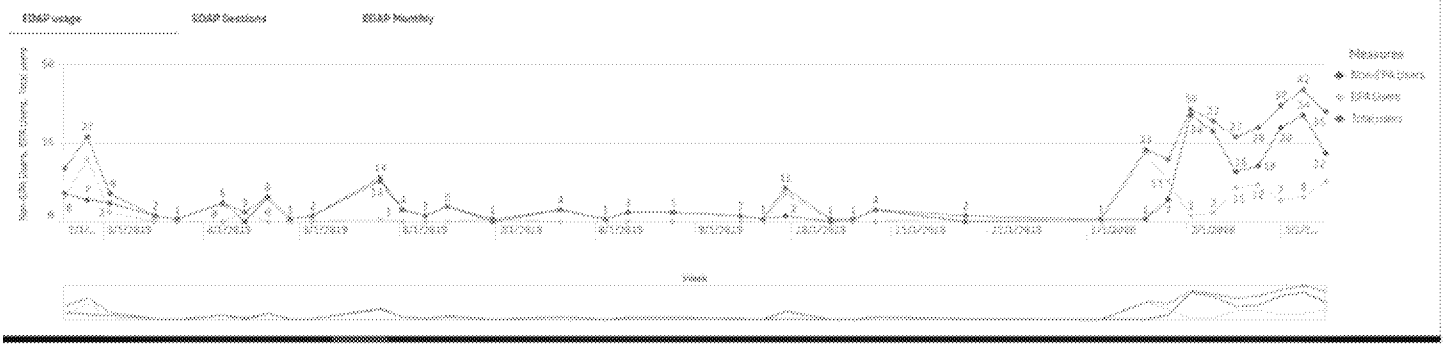
We have been tracking use of our Qlik Tools, including PFAS. We have a dashboard for that, which allows you to isolate the explorer and analytic tools – as shown in my screenshots. So if you wanted to play around with it more – see the link below. There are two measurement areas in the dashboard – one for EPA direct access of Qlik tools via "qlikviz" URLs, and access to the tools via "EDAP" which is the public server – protected view (so for example, this is where all state use is counted). That is in the first screen capture. Qlikviz in second capture. I pointed out some events and how they relate to data changes.



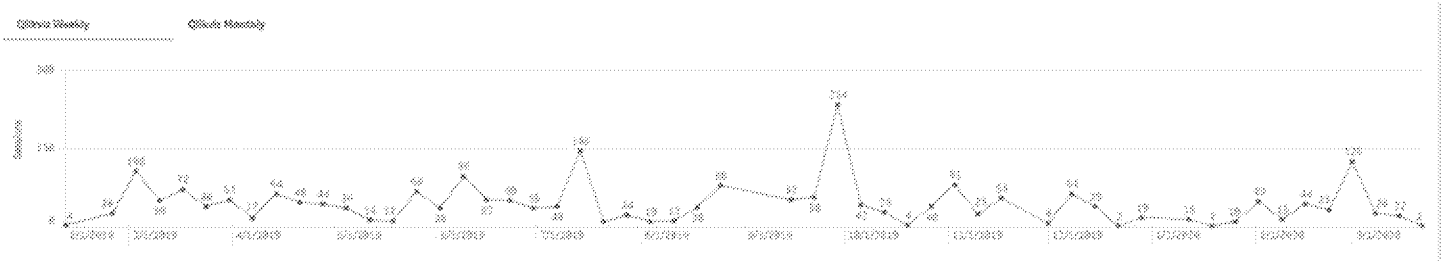


From: Yourish, Jesse <yourish.jesse@epa.gov>
Sent: Tuesday, March 24, 2020 9:47 AM
To: Barrette, Michael <Barrette.Michael@epa.gov>
Cc: Fontenot, Scott <Fontenot.Scott@epa.gov>
Subject: Qlik usage

Finally got what I needed from analytics to update the Qlik usage app:
https://qlikviz.epa.gov/sense/app/806673c4-aead-4026-aef1-ad038478e970
Here's the PFAS app usage:
EDAP (access through Data Viz Gallery):



Here's usage on Qlikviz (access through Qlik directly. It makes sense these numbers are fairly low recently because people have been having a lot of trouble signing onto pulse secure and without that you can't access the Qlikviz server):



Jesse Yourish
U.S. EPA, Office of Compliance
202-564-1350
yourish.jesse@epa.gov

From: Montilla, Alex
Sent: Wednesday, April 01, 2020 8:53 AM
To: Andrew Stoeckle <Andrew.Stoeckle@erg.com>
Subject: FW: PFAS Qlik usage

Good Morning Andrew,

Is this something that ERG can put in place for the NDPE? Please let me know.

Thanks,

Alex

From: Andrew Stoeckle <Andrew.Stoeckle@erg.com>
Sent: Wednesday, April 01, 2020 9:56 AM
To: Montilla, Alex <Montilla.Alex@epa.gov>
Cc: Matthew Heyward <Matthew.Heyward@erg.com>
Subject: RE: PFAS Qlik usage

We can get that set up (it may be already within the existing tracking). It will only show your demos of NPDE and minor internal users.

Once it goes public on edap, the numbers will be much larger than the tracking results below!

Andrew Stoeckle | VP, Information and Analysis | Eastern Research Group | o. 781.674.7261 Ex. 6 Personal Privacy (PP)

From: Montilla, Alex <Montilla.Alex@epa.gov>
Sent: Wednesday, April 1, 2020 8:53 AM
To: Andrew Stoeckle <Andrew.Stoeckle@erg.com>
Subject: FW: PFAS Qlik usage

Good Morning Andrew,

Is this something that ERG can put in place for the NDPE? Please let me know.

Thanks,

Alex

From: Montilla, Alex
Sent: Wednesday, April 01, 2020 10:10 AM
To: Andrew Stoeckle <Andrew.Stoeckle@erg.com>
Subject: RE: PFAS Qlik usage

Hi Andrew,

No problem. I'm not worried about tracking our current demo usage on NDPE. I would like this in place in advance of rolling out NDPE to the public and wasn't sure if what already existed provided coverage of the usage of the rolled out NDPE app or if NDPE needed to have these same analytical processes separately put into place. Either way let's have this tracking in place ahead of the public rollout.

Thanks,

Alex

From: Andrew Stoeckle <Andrew.Stoeckle@erg.com>
Sent: Wednesday, April 01, 2020 11:52 AM
To: Montilla, Alex <Montilla.Alex@epa.gov>
Cc: Matthew Heyward <Matthew.Heyward@erg.com>
Subject: RE: PFAS Qlik usage

Alex,

We'll confirm with the Data Analytics Group at EPA that they will track and share these stats with ORD for NPDE launch.

They do that now for all the OC Qlik projects.

When ORD has a tentative launch ate, it might be good to set up a meeting with Data Analytics just to walk through the processes and anticipate any problems before launch.

Andrew Stoeckle | VP, Information and Analysis | Eastern Research Group | o. 781.674.7261 c Ex. 6 Personal Privacy (PP)